Journal of Radioanalytical and Nuclear Chemistry, Articles, Vol. 162, No. 2 (1992) 417–420

Index to Volume 162

No. 1

Yu. A. Zolotarev, V. S. Kozik, E. M. Dorokhova, D. A. Zaitsev, N. F. Myasoedov, S. G. Rozenberg (Moscow, Russia)
High temperature solid state catalytic isotope exchange with deuterium and tritium 3

Chih-Hao Lee, Yeong-Ruey Lin, Shyh-Shyong Chiou, Kuen-Bey Chen, Yu-Wen Yu (Hsinchu, Taiwan, Republic of China)
A low cost and simple configuration of multifunctional multichannel analyzer based on a personal computer 15

M. Zieliński, H. Papiernik-Zielińska (Kraków, Poland)
Carbon-14 kinetic isotope effect in the decarbonylation of lactic acid [1-^{14}C] 25

J. Kovalancik, M. Galova (Košice, ČSFR)
Extraction separation of rare-earth elements by amines in the presence of complexing agents, I. 35

J. Kovalancik, M. Galova (Košice, ČSFR)
Extraction separation of rare-earth elements by amines in the presence of complexing agents, II. 47

W. Jianhua, H. Ronghuan, W. Jianguo (Yantai, P. R. China)
Kinetic determination of uranium(IV) based on its catalytic effect on the phosphomolybdic acid – iodide reaction 57

Tian Wei-Zhi, Peng Li-Xin (Beijing, P. R. China)
A study on sampling representativeness of IAEA RM SD–M-2/TM Marine Sediment by INAA 63

F. M. Elzawawy, E. A. Saad, I. H. Badr (Cairo, Egypt)
Kinetics of chlorine isotope exchange reaction between sodium choride-36 and triphenyltin chloride in mixed solvents 71

G. M. Nair, D. R. Prabhu (Bombay, India)
Polarographic study of uranium(VI)-succinate complexes 79

H. Rahimi, L. Baranyai (Tehran, Iran and Budapest, Hungary)
Development of a radiotracer method for measuring CO_2 uptake by cement – wood mixtures 83

D. R. Prabhu, G. R. Mahajan, M. S. Murali, J. P. Shukla, G. M. Nair, P. R. Natarajan (Bombay, India)
Di(2-ethylhexyl)sulfoxide as an extractant for plutonium(IV) from nitric acid medium 91

V. A. Filimonov (Minsk, Republic of Belarus', C.I.S.)
On the probability of cold nuclear fusion implementation: synergetic hypothesis 99

Elsevier Sequoia S. A., Lausanne
Akadémiai Kiadó, Budapest

A. Mannan, S. Waheed, S. Ahmad, I. H. Qureshi (Islamabad, Pakistan)
Dietary evaluation of toxic elements through integrated diet 111

A. Chatterjee, S. Basu (Burdwan, India)
Use of Adogen-464 in some parent – daughter separations by reverse phase extraction chromatography 125

J. Flores-Mendoza, J. L. Iturbe, M. Jimenez-Reyes (Mexico, Mexico)
Separation and electrodeposition of ^{226}Ra 131

M. S. Iqbal, M. H. Rizvi, A. Naqvi (Islamabad, Pakistan)
Preparation, characterization and biodistribution of salicylidene- and pyridoxylidene-thyroxine complexes of technetium-99m 139

M. J. Ozafran, A. Archenti, M. E. Vazquez, S. J. Nassiff (Buenos Aires, Argentina)
(α, pxn) reactions on natural samarium 145

A. Dakshinamoorthy, A. G. C. Nair, S. K. Das, R. K. Singh, Satya Prakash (Bombay, India)
A rapid and selective separation of palladium 155

H. S. Dang, V. R. Pullat, K. C. Pillai (Bombay, India)
Simultaneous determination of ^{232}Th and ^{238}U in biological samples. Application to the estimation of their daily intake through diet 163

J. N. Mathur, M. S. Murali, P. R. Natarajan (Bombay, India)
Uptake of actinides and lanthanides from nitric acid by dihexyl-N,N-diethylcarbamoylmethylphosphonate adsorbed on chromosorb 171

M. Kańska, R. Karski (Warsaw, Poland)
Deuteriation of benzoic acid in the presence of homogeneous potassium tetrachloroplatinate(II) catalyst 179

J. Solymosi, P. Zagyvai, L. G. Nagy (Budapest, Hungary)
Dosimetric measurement of the disintegration rate of fission products 187

A. Glagoličová, V. Wernischová, F. Novák (Prague, ČSFR)
Iodination of placental ferritin for RIA 199

No. 2

Shen Chao-hong, Bao Bo-rong, Wang Gao-dong, Qian Jun, Bao Ya-zhi, Cao Zheng-bai (Shanghai and Suzhou, China)
Extraction of uranium(VI) and thorium(IV) from nitric acid solution by N-alkylcaprolactam 207

S. Musić, *S. Popović, M. Ristić* (Zagreb, Republic of Croatia)
Thermal decomposition of pyrite 217

K. Shakir, M. Aziz, Sh. G. Beheir (Cairo, Egypt)
Extraction of uranium(VI) with non-plasticized and TBP-plasticized polyurethane foam sorbents loaded with dibenzoylmethane 227

N. S. Kopelev, Yu. D. Perfiliev, Yu. M. Kiselev (Moscow, Russia)
Mössbauer study of sodium ferrates(IV) and (VI) 239

T. Gangaiah, K. V. S. Murthy, G. R. K. Naidu, K. Venugopal Chetty (Tirupati and Bombay, India)
Homogeneous isotope exchange between copper(II) and bis(resacetophenone oxime)copper(II) complex 253

A. Chatterjee, S. Basu (Burdwan, India)
Solvent extraction of silver(I) with Amberlite-LA-2 using ^{110m}Ag as tracer 259

V. Jedináková, P. Vaňura, J. Žilková, V. Bílek, F. Touati (Prague, ČSFR)
Extraction of micro- and macroconcentrations of rare earth ions with the mixture of D2EHPA and TBP in n-hexane and cyclohexane 267

P. M. Dighe, G. R. Pansare, S. G. Kulkarni, V. N. Bhoraskar (Pune, India)
Use of 14 MeV neutrons in analysis of explosive class materials 277

M. S. Nagra, B. S. Pallah, G. P. S. Sahota, Harjinder Singh, H. S. Sahota (Patiala, India)
A study of trace elements in scalp hair and fingernails of industrial workers of Ontario, Canada 283

P. K. Mishra, V. Chakravortty, K. C. Dash, N. R. Das, S. N. Bhattacharyya (Bhubaneswar and Calculatta, India)
Extraction and separation of Zr, Nb and Hf by Aliquat 336 and its mixtures with TOPO from acidic thiocyanate media 289

S. P. Mishra, N. Srinivasu (Varanasi, India)
Ion exchangers in radioactive waste management, IV. 299

N. Vajda, A. Ghods-Esphahani, E. Cooper, P. R. Danesi (Vienna, Austria)
Determination of radiostrontium in soil samples using a crown ether 307

J. Kh. Abou-Jamous (Damascus, Syria)
Radioactive waste treatment using natural Syrian bentonite 325

J. Bronić, B. Subotić (Zagreb, Republic of Croatia)
Removal of strontium ions from solutions using granulated zeolites 339

S. Musić, M. Ristić (Zagreb, Republic of Croatia)
Adsorption of zinc(II) on hydrous iron oxides 351

S. M. Liu, C. Chung, C. C. Chan (Hsinchu, Taiwan R. O. C.)
Daily dietary intake of Pratas islanders in the South China Sea 363

K. Shakir, Sh. G. Beheir, M. Aziz (Cairo, Egypt)
Extraction of certain actinide and lanthanide elements from different acid media by polyurethane foams loaded with di-(2-ethylhexyl)phosphoric acid (HDEHP), V. 371

INDEX TO VOLUME 162

R. G. Weginwar, A. N. Garg (Nagpur, India)
Multielemental neutron activation analysis of fugitive dust particulates from cement factories in Central India 381

Bao Bo-rong, Bao Ya-zhi, Shen Chao-hong, Wang Gao-dong, Qian Jun, Cao Zheng-bai (Shanghai and Suzhou, P. R. China)
New extractants for reprocessing of spent Th–U fuel 391

P. M. Ravi, K. N. Neelakandhan, M. R. Iyer (Bombay, India)
Speciation and estimation of radioiodine in reactor coolant water 399

Bibliographic Collection

E. Bujdosó (Budapest, Hungary)
Radon in the environment 407

Index to Volume 162 417

Journal of Radioanalytical and Nuclear Chemistry, Articles, Vol. 162, No. 2 (1992) 421–424

Author Index to Volume 162

ABOU-JAMOUS, J. Kh.: Radioactive waste treatment using natural Syrian bentonite, 325

AHMAD, S., *see* MANNAN, A., 111

ARCHENTI, A., *see* OZAFRAN, M. J., 145

AZIZ, M., *see* SHAKIR, K., 227, 371

BADR, I. H., *see* ELZAWAWY, F. M., 71

BAO, BO-RONG; BAO, YA-ZHI; SHEN, CHAO-HONG; WANG, GAO-DONG; QIAN, JUN; CAO, ZENG-BAI: New extractants for reprocessing of spent Th–U fuel, 391

BAO, BO-RONG, *see* SHEN, CHAO-HONG, 207

BAO, YA-ZHI, *see* BAO, BO-RONG, 391

BAO, YA-ZHI, *see* SHEN, CHAO-HONG, 207

BARANYAI, L., *see* RAHIMI, H., 83

BASU, S., *see* CHATTERJEE, A., 125, 259

BEHEIR, Sh. G., *see* SHAKIR, K., 227, 371

BHATTACHARYYA, S. N., *see* MISHRA, P. K., 289

BHORASKAR, V. N., *see* DIGHE, P. M., 277

BÍLEK, V., *see* JEDINÁKOVÁ, V., 267

BRONIĆ, J., SUBOTIĆ, B.: Removal of strontium ions from solutions using granulated zeolites, 339

BUJDOSÓ, E.: Radon in the environment, 407

CAO, ZHENG-BAI, *see* BAO, BO-RONG, 391

CAO, ZHENG-BAI, *see* SHEN, CHAO-HONG, 207

CHAKRAVORTTY, V., *see* MISHRA, P. K., 289

CHAN, C. C., *see* LIU, S. M., 363

CHATTERJEE, A., BASU, S.: Solvent extraction of silver(I) with Amberlite-LA-2 using ^{110m}Ag as tracer, 259

CHATTERJEE, A., BASU, S.: Use of Adogen-464 in some parent – daughter separations by reverse phase extraction chromatography, 125

CHEN, KUEN-BEY, *see* LEE, CHIH-HAO, 15

CHIOU, SHYH-SHYONG, *see* LEE, CHIH-HAO, 15

CHUNG, C., *see* LIU, S. M., 363

COOPER, E., *see* VAJDA, N., 307

DAKSHINAMOORTHY, A., NAIR, A. G. C., DAS, S. K., SINGH, R. K.; PRAKASH, SATYA: A rapid and selective separation of palladium, 155

DANESI, P. R., *see* VAJDA, N., 307

DANG, H. S., PULLAT, V. R., PILLAI, K. C.: Simultaneous determination of ^{232}Th and ^{238}U in biological samples. Application to the estimation of their daily intake through diet, 163

DAS, N. R., *see* MISHRA, P. K., 289

Elsevier Sequoia S. A., Lausanne
Akadémiai Kiadó, Budapest

AUTHOR INDEX

DAS, S. K., *see* DAKSHINAMOORTHY, A., 155

DIGHE, P. M., PANSARE, G. R., KULKARNI, S. G., BHORASKAR, V. N.: Use of 14 MeV neutrons in analysis of explosive class materials, 277

DOROKHOVA, E. M., *see* ZOLOTAREV, Yu. A., 3

ELZAWAWY, F. M., SAAD, E. A., BADR, I. H.: Kinetics of chlorine isotope exchange reaction between sodium chloride-36 and triphenyltin chloride in mixed solvents, 71

FILIMOV, V. A.: On the probability of cold nuclear fusion implementation: synergetic hypothesis, 99

FLORES-MENDOZA, J., ITURBE, J. L., JIMENEZ-REYES, M.: Separation and electron-deposition of ^{226}Ra, 131

GALOVA, M., *see* KOVALANCIK, J., 35, 47

GANGAIAH, T., MURTHY, K. V. S., NAIDU, G. R. K., VENUGOPAL, K.: Homogeneous isotope exchange between copper(II) and bis(resacetophenone oxime)copper(II) complex, 253

GARG, A. N., *see* WEGINWAR, R. G., 381

GHODS-ESPHAHANI, A., *see* VAJDA, N., 307

GLAGOLIČOVÁ, A., WERNISCHOVÁ, V., NOVÁK, F.: Iodination of placental ferritin for RIA, 199

IQBAL, M. S., RIZVI, M. H., NAQVI, A.: Preparation, characterization and biodistribution of salicylidene- and pyridoxylidene-thyroxine complexes of technetium-99m, 139

ITURBE, J. L., *see* FLORES-MENDOZA, J., 131

IYER, M. R., *see* RAVI, P. M., 399

JEDINÁKOVÁ, V., VAŇURA, P., ŽILKOVÁ, J., BÍLEK, V., TOUATI, F.: Extraction of micro- and macroconcentrations of rare earth ions with the mixture of D2EHPA and TBP in n-hexane and cyclohexane, 267

JIANGUO, W., *see* JIANHUA, W., 57

JIANHUA, W., RONGHUAN, H., JIANGUO, W.: Kinetic determination of uranium(IV) based on its catalytic effect on the phosphomolybdic acid – iodide reaction, 57

JIMENEZ-REYES, M., *see* FLORES-MENDOZA, J., 131

KAŃSKA, M., KAŃSKI, R.: Deuteriation of benzoic acid in presence of homogeneous potassium tetrachloroplatinate(II) catalyst, 179

KAŃSKI, R., *see* KAŃSKA, M., 179

KISELEV, Yu. M., *see* KOPELEV, N. S., 239

KOPELEV, N. S., PERFILIEV, Yu. D., KISELEV, Yu. M.: Mössbauer study of sodium ferrates(IV) and (VI), 239

KOVALANCIK, J., GALOVA, M.: Extraction separation of rare earth elements by amines in the presence of complexing agents, I., 35

KOVALANCIK, J., GALOVA, M.: Extraction separation of rare earth elements by amines in the presence of complexing agents, II., 47

KOZIK, V. S., *see* ZOLOTAREV, Yu. A., 3

KULKARNI, S. G., *see* DIGHE, P. M., 277

LEE, CHIH-HAO; LIN, YEONG-RUEY; CHIOU, SHYH-SHYONG; CHEN, KUEN-BEY; YU, YU-WEN: A low cost and simple configuration of multifunctional multichannel analyzer based on a personal computer, 15

LIN, YEONG-RUEY, *see* LEE, CHIH-HAO, 15

LIU, S. M., CHUNG, C., CHAN, C. C.: Daily dietary intake of Pratas islanders in the South China Sea, 363

MAHAJAN, G. R., *see* PRABHU, D. R., 91

MANNAN, A., WAHEED, S., AHMAD, S., QURESHI, I. H.: Dietary evaluation of toxic elements through integrated diet, 111

MATHUR, J. N., MURALI, M. S., NATARAJAN, P. R.: Uptake of actinides and lanthanides from nitric acid by dihexyl-N,N-diethylcarbamoylmethylphosphonate adsorbed on chromosorb, 171

MISHRA, P. K., CHAKRAVORTTY, V., DASH, K. C., DAS, N. R., BHATTACHARYYA, S. N.: Extraction and separation of Zr, Nb and Hf by Aliquat-336 and its mixtures with TOPO from acidic thiocyanate media, 289

MISHRA, S. P., SRINIVASU, N.: Ion exchangers in radioactive waste management, IV., 299

MURALI, M. S., *see* MATHUR, J. H., 171

MURALI, M. S., *see* PRABHU, D. R., 91

MURTHY, K. V. S., *see* GANGAIAH, T., 253

MUSIĆ, S., POPOVIĆ, S., RISTIĆ, M.: Thermal decomposition of pyrite, 217

MUSIĆ, S., RISTIĆ, M.: Adsorption of zinc(II) on hydrous iron oxides, 351

MYASOEDOV, N. F., *see* ZOLOTAREV, Yu. A., 3

NAGRA, M. S., PALLAH, B. S., SAHOTA, G. P. S.; SINGH, HARJINDER; SAHOTA, H. S.: A study of trace elements in scalp hair and fingernails of industrial workers of Ontario, Canada, 283

NAGY, L. G., *see* SOLYMOSI, J., 187

NAIDU, G. R. K., *see* GANGAIAH, T., 253

NAIR, A. G. C., *see* DAKSHINAMOORTHY, A., 155

NAIR, G. M., PRABHU, D. R.: Polarographic study of uranium(VI)-succinate complexes, 79

NAIR, G. M., *see* PRABHU, D. R., 91

NAQVI, A., *see* IQBAL, M. S., 139

NASSIFF, S. J., *see* OZAFRAN, M. J., 145

NATARAJAN, P. R., *see* MATHUR, J. H., 171

NATARAJAN, P. R., *see* PRABHU, D. R., 91

NEELAKANDHAN, K. N., *see* RAVI, P. M., 399

NOVÁK, F., *see* GLAGOLIČOVÁ, A., 199

OZAFRAN, M. J., ARCHENTI, A., VAZQUEZ, M. E., NASSIFF, S. J.: (α, pxn) reactions on natural samarium, 145

PALLAH, B. S., *see* NAGRA, M. S., 283

PANSARE, G. R., *see* DIGHE, P. M., 277

PAPIERNIK-ZIELIŃSKA, H., *see* ZIELIŃSKI, M., 25

PENG, LI-XIN, *see* TIAN, WEI-ZHI, 63

PERFILIEV, Yu. D., *see* KOPELEV, N. S., 239

PILLAI, K. C., *see* DANG, H. S., 163

POPOVIĆ, S., *see* MUSIĆ, S., 217

PRABHU, D. R., MAHAJAN, G. R., MURALI, M. S., SHUKLA, J. P., NAIR, G. M., NATARAJAN, P. R.: Di(2-ethylhexyl)sulfoxide as an extractant for plutonium(IV) from nitric acid medium, 91

PRABHU, D. R., *see* NAIR, G. M., 79

PRAKASH, SATYA, *see* DAKSHINAMOORTHY, A., 155

PULLAT, V. R., *see* DANG, H. S., 163

QIAN, JUN, *see* BAO, BO-RONG, 391

QIAN, JUN, *see* SHEN, CHAO-HONG, 207

QURESHI, I. H., *see* MANNAN, A., 111

RAHIMI, H., BARANYAI, L.: Development of a radiotracer method for measuring CO_2 uptake by cement – wood mixtures, 83

RAVI, P. M., NEELAKANDHAN, K. N., IYER, M. R.: Speciation and estimation of radioiodine in reactor coolant water, 399

RISTIĆ, M., *see* MUSIĆ, S., 217, 351

RIZVI, M. H., *see* IQBAL, M. S., 139

RONGHUAN, H., *see* JIANHUA, W., 57

ROZENBERG, S. G., *see* ZOLOTAREV, Yu. A., 3

SAAD, E. A., *see* ELZAWAWY, F. M., 71

SAHOTA, G. P. S., *see* NAGRA, M. S., 283

SAHOTA, H. S., *see* NAGRA, M. S., 283

SHAKIR, K., AZIZ, M., BEHEIR, Sh. G.: Extraction of uranium(VI) with non-plasticized and TBP-plasticized polyurethane foam sorbents loaded with dibenzoylmethane, 227

SHAKIR, K., BEHEIR, Sh. G., AZIZ, M.: Extraction of certain actinide and lanthanide elements from different acid media by polyurethane foams loaded with di-(2-ethylhexyl)phosphoric acid (HDEHP), V., 371

SHEN, CHAO-HONG; BAO, BO-RONG; WANG, GAO-DONG; QIAN, JUN; BAO, YA-ZHI; CAO, ZHENG-BAI: Extraction of uranium(VI) and thorium(IV) from nitric acid solution by N-alkylcaprolactam, 207

SHEN, CHAO-HONG, *see* BAO, BO-RONG, 391

SHUKLA, J. P., *see* PRABHU, D. R., 91

SINGH, HARJINDER, *see* NAGRA, M. S., 283

SINGH, R. K., *see* DAKSHINAMOORTHY, A., 155

SOLYMOSI, J., ZAGYVAI, P., NAGY, L. G.: Dosimetric measurement of the disintegration rate of fission products, 187

SRINIVASU, N., *see* MISHRA, S. P., 299

SUBOTIĆ, B., *see* BRONIĆ, J. 339

TIAN, WEI-ZHI; PENG, LI-XIN: A study on sampling representativeness of IAEA RM SD–M-2/TM Marine Sediments by INAA, 63

TOUATI, F., *see* JEDINÁKOVÁ, V., 267

VAJDA, N., GHODS-ESPHAHANI, A., COOPER, E., DANESI, P. R.: Determination of radiostrontium in soil samples using a crown ether, 307

VAŇURA, P., *see* JEDINÁKOVÁ, V., 267

VAZQUEZ, M. E., *see* OZAFRAN, M. J., 145

VENUGOPAL, K., *see* GANGAIAH, T., 253

WAHEED, S., *see* MANNAN, A., 111

WANG, GAO-DONG, *see* BAO, BO-RONG, 391

WANG, GAO-DONG, *see* SHEN, CHAO-HONG, 207

WEGINWAR, R. G., GARG, A. N.: Multielemental neutron activation analysis of fugitive dust particulates from cement factories in Central India, 381

WERNISCHOVÁ, V., *see* GLAGOLIČOVÁ, A., 199

YU, YU-WEN, *see* LEE, CHIH-HAO, 15

ZAGYVAI, P., *see* SOLYMOSI, J., 187

ZAITSEV, D. A., *see* ZOLOTAREV, Yu. A., 3

ZIELIŃSKI, M., PAPIERNIK-ZIELIŃSKA, H.: Carbon-14 kinetic isotope effect in the decarbonylation of lactic acid [1–^{14}C], 25

ŽILKOVÁ, J., *see* JEDINÁKOVÁ, V., 267

ZOLOTAREV, Yu. A., KOZIK, V. S., DOROKHOVA, E. M. ZAITSEV, D. A., MYASOEDOV, N. F., ROZENBERG, S. G.: High temperature solid state catalytic isotope exchange with deuterium and tritium, 3